



10-14-04

Attorney's Docket No.: 17299-008002

2132

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ulf Dahl  
Serial No. : 09/840,188  
Filed : April 24, 2001  
Title : DATA SECURITY SYSTEM FOR A DATABASE

Art Unit : 2132  
Examiner : Kim, J.

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Copies of the references listed on the attached form PTO-1449 are enclosed.

Submitted herewith is an English translation of the following foreign language references, or portions thereof:

Desig. ID	Source
AQ	Abstract of Russian patent no. 2067313
AR	Abstract of Swedish patent no. 507-138

Also enclosed (desig. ID BB) is the first page of a search report from the Russian Federation. Applicant believes that a second page of the search report exists, but is not presently in possession of the remainder of the document. Applicant will file a supplemental Information Disclosure Statement containing the search report in its entirety as soon as practicable. Applicant believes that page two of the search report contains references to the following documents: (1) Soo, D., et al., "A protection of computers," Moscow, 1982, pp. 137-162; and (2) Spesivtcev A.V. et al., "An information protection in personal computers," Moscow, 1992, pp. 25-26. Applicant is not presently in possession of these documents but will file a supplemental Information Disclosure Statement containing these documents as soon as is practicable.

Under 35 USC §120, this application relies on the earlier filing date of application serial number 09/027,585, filed on 2/23/1998. The references submitted to and/or cited by the Office in the prior application are not provided in this application:

CERTIFICATE OF MAILING BY EXPRESS MAIL

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Date of Deposit

Applicant : Ulf Dahl  
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Filed : April 24, 2001  
Page : 2 of 2

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Under 35 USC §120, this application relies on the earlier filing date of application serial number 09/027,585, filed on 2/23/1998. The references submitted to and/or cited by the Office in the prior application are not provided in this application:

This statement is being filed before the receipt of a first Office Action on the merits.  
Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

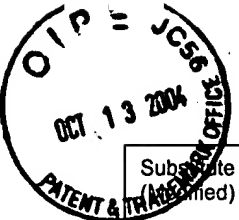
Date: \_\_\_\_\_

10/13/04



\_\_\_\_\_  
Thomas A. Brown  
Reg. No. 54,619

Fish & Richardson P.C.  
225 Franklin Street  
Boston, MA 02110-2804  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906

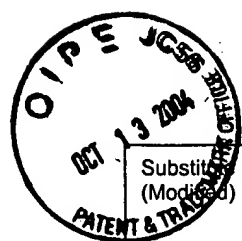


Substitute Form PTO-1449 (Prescribed)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17299-008002	Application No. 09/840,188
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant Ulf Dahl	
		Filing Date April 24, 2001	Group Art Unit 2132

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,438,508	08/01/95	Wyman			
	AB	5,446,903	08/29/95	Abraham et al.			
	AC	5,493,668	02/20/96	Elko et al.			
	AD	6,321,201	11/20/01	Dahl			
	AE	5,375,169	12/20/94	Secheidt, et al.			
	AF	4,218,582	8/19/80	Hellman, et al.			
	AG	4,405,829	9/20/83	Rivest et al.			
	AH	4,417,338	11/22/83	Davida			
	AI	4,424,414	1/3/84	Hellman, et al.			
	AJ	4,649,233	3/10/87	Bass et al.			
	AK	4,850,017	7/18/89	Matyas, Jr., et al.			
	AL	4,876,716	10/24/89	Okamoto			
	AM	4,955,082	9/4/90	Hattori, et al.			
	AN	5,136,642	8/4/92	Kawamura, et al.			
	AO	5,150,411	9/22/92	Maurer			
	AP	5,606,610	2/25/97	Johansson			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AQ	RU 2067313	09/27/96	Russian Federation			abstract	
	AR	507-138	4/6/98	Sweden			abstract	
	AS	WO 98/17039	4/23/98	WIPO			n/a	
	AT	EP 1 211 589 A2	6/5/02	European Patent Office			n/a	
	AU	EP 1 207 462 A2	5/22/02	European Patent Office			n/a	
	AV	EP 1 209 550 A2	5/29/02	European Patent Office			n/a	
	AW	EP 1 207 443 A2	5/22/02	European Patent Office			n/a	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17299-008002	Application No. 09/840,188
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant Ulf Dahl	
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Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AX	WO 95/15628	6/8/95	WIPO			n/a	
	AY	WO 97/49211	12/24/97	WIPO			n/a	
	AZ	WO 01/35226 A1	5/17/01	WIPO			n/a	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	BA	Charles P. Pfleeger. <i>Security in Computing</i> . Englewood Cliffs, New Jersey: P T R Prentice-Hall, 1989 (especially ch. 8, "Data Base Security.").
	BB	Patent Office of the Russian Federation, Search Report, Application No. 99100700, June 18, 1997.
	BC	David K. Gifford, "Cryptographic Sealing for Information Secrecy and Authentication." <i>Communications of the ACM</i> , vol. 25, no. 4 (April 1982), pp. 274-286.
	BD	R.W. Conway, W.L. Maxwell, and H.L. Morgan, "On the Implementation of Security Measures in Information Systems." <i>Communications of the ACM</i> , vol. 15, no. 4 (April 1972), pp. 211-220.
	BE	Masaaki Mizuno and Mitchell L. Neilsen, "A Secure Quorum Protocol." <i>Proceedings of the 14<sup>th</sup> National Computer Security Conference</i> (October 1-4, 1991), pp. 514-523.
	BF	E. John Sebes and Fichard J. Feiertag, "Trusted Distributed Computing: Using Untrusted Network Software." <i>Proceedings of the 14<sup>th</sup> National Computer Security Conference</i> (October 1-4, 1991), pp. 608-618.
	BG	Vijay Varadharajan, "A Security Reference Model for a Distributed Object System and its Application." <i>Proceedings of the 15<sup>th</sup> National Computer Security Conference</i> (October 13-16, 1992), pp. 593-619.
	BH	George I. Davida and Y. Yeh, "Cryptographic Relational Algebra." <i>Proceedings of the 1982 Symposium on Security and Privacy</i> (April 26-28, 1982), pp. 111-116.
	BI	Dorothy E. Denning, "Cryptographic Checksums for Multilevel Database Security." <i>Proceedings of the 1984 Symposium on Security and Privacy</i> (April 29-May 2, 1984), pp. 52-61.
	BJ	S.G. Akl and P.D. Taylor, "Cryptographic Solution to a Multilevel Security Problem," in D. Chaum, L. Rivest, and A. T. Sherman (eds), <i>Advances in Cryptology Proceedins of CRYPTO '82</i> , New York: Plenum Press, August 1982, pp. 237-250.
	BK	George I. Davida, David L. Wells, and John B. Kam, "A Database Encryption System With Subkeys." <i>ACM Transactions on Database Systems</i> , vol. 6, no. 2 (June, 1982), p. 5.
	BL	D. Woelk and W. Kim, "Multimedia Information Management in an Object-Oriented Database System." <i>Proceedings of the 13<sup>th</sup> International Conference on Very Large Databases</i> , Brighton, England, 1987.
	BM	D. G. Abraham et al., "Transaction Security System." <i>IBM Systems Journal</i> , vol. 30, no. 2, 1991, pp. 206-229.
	BN	D. B. Johnson et al., "Common Cryptographic Architecture Cryptographic Application Programming Interface." <i>IBM Systems Journal</i> , vol. 30, no. 2, 1991, pp. 130-150.

Examiner Signature	Date Considered
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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	BO	David K. Hsiao, et al., "Database Access Control in the Presence of Context Dependent Protection Requirements." <i>IEEE Transactions on Software Engineering</i> , vol. SE-5, No. 4, July, 1979. pp. 349-358.
	BP	Matthew Morgenstern, "Controlling Logical Inference in Multilevel Database Systems." <i>Proceedings of the 1988 Symposium on Security and Privacy</i> , The Computer Society of the IEEE, April 18-21, 1988, Oakland, California, pp. 245-255.
	BQ	Patent prosecution history, PCT Patent Application No. PCT/SE97/01644.
	BR	Patent prosecution history, Swedish Patent Application No. 9603753.
	BS	Application Security, Inc., <i>DbEncrypt™ for Oracle User Guide</i> .
	BT	Patent prosecution history, European Patent Office Patent Application No. 97 928 615.0 (filed 6/18/97).
	BU	Patent prosecution history, United States Patent Application No. 09/027585, United States Patent No. 6,321,201 (filed 2/23/98).

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